

|              |              |               |
|--------------|--------------|---------------|
| PURCHASER    | P.O. #       | DATE          |
| PROJECT      | LOCATION     |               |
| ENGINEER     | ARCHITECT    |               |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |

### Features

- Precision Inverter® technology (variable speed compressor)
- Soft start compressor
- BLDC motor
- High efficiency for low operating cost
- DiamonBlue Advanced Corrosion Protection®
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- Surge Cool/Heat
- Natural air flow
- Ultra quiet operation
- Sleep mode
- Auto restart
- Auto changeover
- 24-hour on/off timer
- ENERGY STAR® qualified model
- Hidden display (only visible during operation)



MWH09Y3JA, MWH12Y3JA



WIRELESS  
REMOTE CONTROL



MRH09Y3JA, MRH12Y3JA

### OPERATION IN EXTREME CONDITIONS

- Low ambient operation down to 0° F  
(Cooling mode)
- Low ambient operation down to -13° F  
(Heating mode)



## SPECIFICATIONS

| PERFORMANCE RATINGS             |           | Single Zone Wall-Mounted - Heat Pumps |                      |
|---------------------------------|-----------|---------------------------------------|----------------------|
|                                 |           | 9k                                    | 12k                  |
| SYSTEM MODEL NO.                |           | HM09YJA                               | HM12YJA              |
| INDOOR MODEL                    |           | MWH09Y3JA                             | MWH12Y3JA            |
| OUTDOOR MODEL                   |           | MRH09Y3JA                             | MRH12Y3JA            |
| SPECIFICATIONS                  |           |                                       |                      |
| CAPACITY COOLING (RATED)        | Btu       | 9,000                                 | 12,000               |
| CAPACITY COOLING (MIN-MAX)      | Btu       | 3600-10000                            | 4000-13500           |
| CAPACITY HEATING @47°F (RATED)  | Btu       | 10,715                                | 12,957               |
| CAPACITY HEATING @17°F (RATED)  | Btu       | 6,433                                 | 8,030                |
| CAPACITY HEATING (MIN-MAX)      | Btu       | 3600-10500                            | 4000-14000           |
| COOLING AMPS                    |           | 2.3                                   | 4.6                  |
| HEATING AMPS                    |           | 3.4                                   | 4.8                  |
| SENSIBLE HEAT RATIO             |           | 0.85                                  | 0.85                 |
| SEER                            |           | 28.0                                  | 25.0                 |
| EER                             |           | 16.1                                  | 15.5                 |
| HSPF                            |           | 12.5                                  | 12.0                 |
| ENERGY STAR                     |           | Yes                                   | Yes                  |
| MOISTURE REMOVAL                | Pts/h     | 1.90                                  | 2.54                 |
| AIRFLOW (QUIET, LOW, MED, HIGH) | CFM       | 416/384/355/279                       | 598/536/446/345      |
| SOUND RATING - INDOOR           | dB-A      | 39/34/31/28                           | 45/41/39/36          |
| SOUND RATING - OUTDOOR          | dB-A      | 55                                    | 55                   |
| OPERATING RANGE (COOLING)       | °F        | 0°-115°                               | 0°-115°              |
| OPERATING RANGE (HEATING)       | °F        | -13°-75°                              | -13°-75°             |
| EST. YEARLY OPERATING COST      | \$        |                                       |                      |
| ELECTRICAL DATA                 |           |                                       |                      |
| POWER SOURCE                    | V         | 208/230/60/1                          | 208/230/60/1         |
| MINIMUM AMPACITY                | A         | 10A                                   | 12A                  |
| COOLING WATTS                   | W         | 560                                   | 775                  |
| HEATING WATTS                   | W         | 770                                   | 850                  |
| MAX. TD FUSE/BREAKER            | A         | 15                                    | 15                   |
| POWER AND COMMUNICATION CABLE   | No. x AWG | 4 x 14                                | 4 x 14               |
| REFRIGERATION SYSTEM            |           |                                       |                      |
| REFRIGERANT                     |           | R410A                                 | R410A                |
| COMPRESSOR TYPE                 |           | Rotary                                | Rotary               |
| CONNECTIONS                     |           | Flare                                 | Flare                |
| LIQUID LINE O.D.                | in        | 1/4                                   | 1/4                  |
| SUCTION LINE O.D.               | in        | 3/8                                   | 3/8                  |
| FACTORY PRECHARGE               | ft        | 24.6                                  | 24.6                 |
| REFRIGERANT CHARGE              | oz        | 38.8                                  | 45.9                 |
| MIN./MAX. LINE LENGTH           | ft        | 65.4                                  | 65.4                 |
| MAX. HEIGHT DIFFERENCE          | ft        | 16.4                                  | 16.4                 |
| DIMENSIONS & WEIGHT             |           |                                       |                      |
| INDOOR UNIT                     |           |                                       |                      |
| W X H X D                       | in        | 32 7/8 x 11 x 8 11/16                 | 36 x 12 3/8 x 9 5/16 |
| NET WEIGHT                      | lbs       | 19.8                                  | 28.6                 |
| SHIPPING WEIGHT                 | lbs       | 24.2                                  | 33.0                 |
| OUTDOOR UNIT                    |           |                                       |                      |
| W X H X D                       | in        | 31 7/8 x 23 x 11                      | 31 7/8 x 23 x 11     |
| NET WEIGHT                      | lbs       | 72.6                                  | 72.6                 |
| SHIPPING WEIGHT                 | lbs       | 79.2                                  | 79.2                 |
| TOTAL NET WEIGHT                | lbs       | 92.4                                  | 101.2                |
| TOTAL SHIPPING WEIGHT           | lbs       | 103.4                                 | 112.2                |

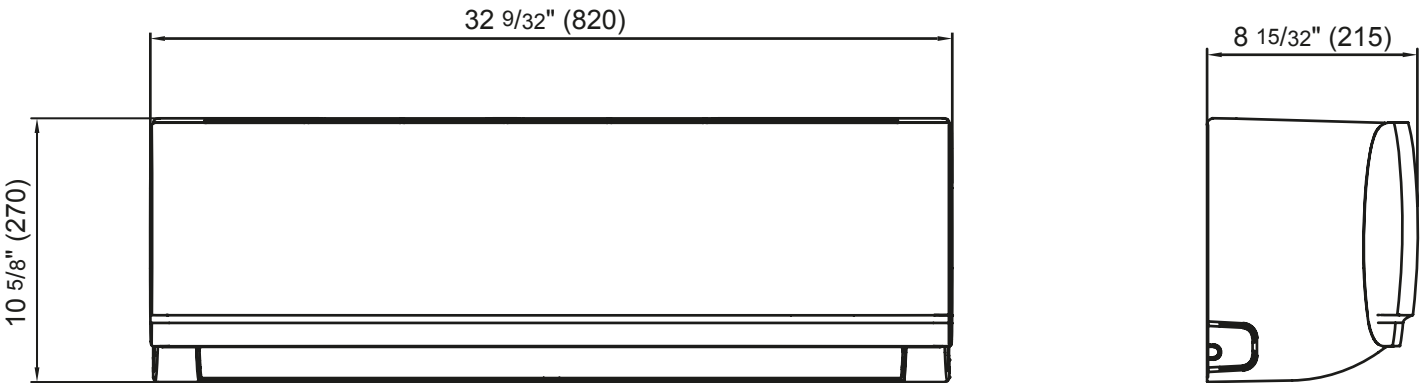
Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$ .12 per kWh.  
For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.



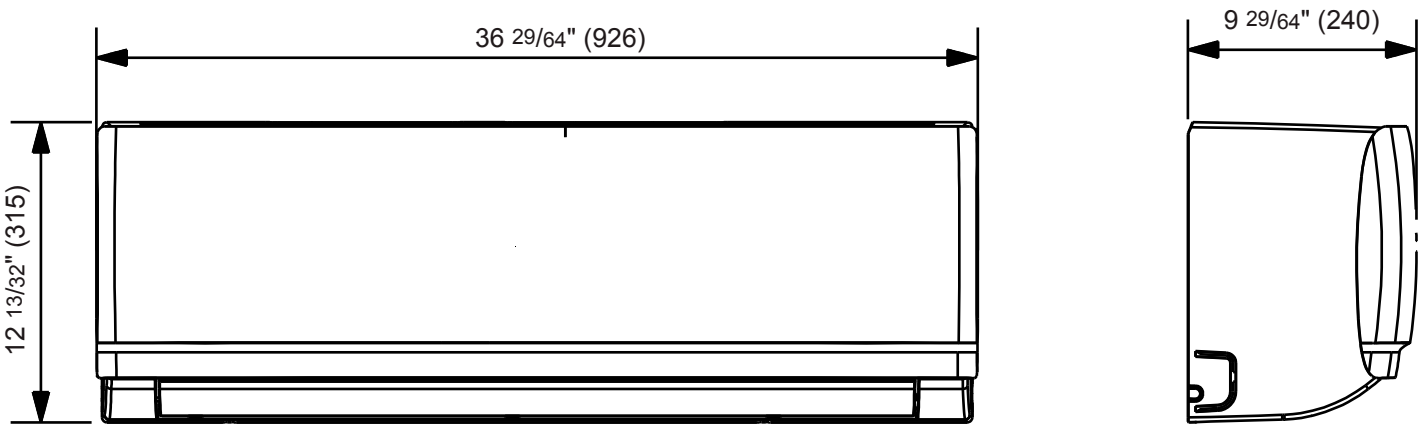
**DIMENSIONAL DRAWINGS**  
**INDOOR UNIT / MWH09Y3JA**

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**INDOOR UNIT / MWH12Y3JA**

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DIMENSIONAL DRAWINGS

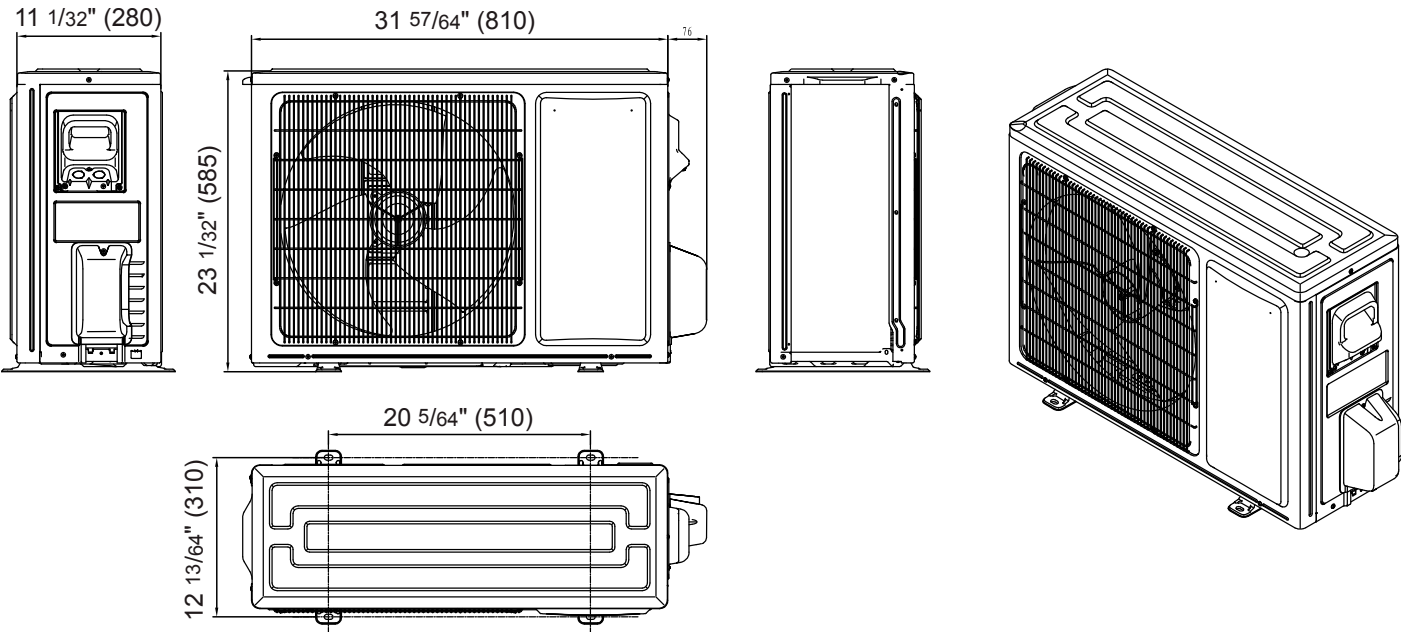
OUTDOOR UNITS / MR09Y3J, MR12Y3J

| Item No. | Part Name                   | Remark |
|----------|-----------------------------|--------|
| 1        | Air Discharge Grille        |        |
| 2        | Gas Pipe Connection Port    |        |
| 3        | Liquid Pipe Connection Port |        |
| 4        | Control Box                 |        |
| 5        | Earth Screw                 |        |

**Note**

1. The unit is not allowed to be installed in a closed area.

2. In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.



## ACCESSORIES

### REFRIGERATION LINE SETS\* (Required accessory)

| Kit#   | Length<br>Ft. | Liquid | Suction |
|--------|---------------|--------|---------|
| T32150 | 15'           | 1/4"   | 3/8"    |
| T32350 | 35'           | 1/4"   | 3/8"    |
| T42150 | 15'           | 1/4"   | 1/2"    |
| T42350 | 35'           | 1/4"   | 1/2"    |
| T53150 | 15'           | 3/8"   | 5/8"    |
| T53350 | 35'           | 3/8"   | 5/8"    |

\*Insulated line sets are available for all Friedrich split systems in 15 ft. and 35 ft. lengths. Each line set is equipped with flare nuts on both ends. Both liquid and suction lines are insulated. Line sets can be joined together with field supplied double male connectors. Each system requires one line set for each indoor unit installed.

### DDC1 DRY CONTACT ACCESSORY FOR J-SERIES

- Allows 3rd party thermostats
- Allows door switch or occupancy sensors



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### Adapter for 5/16" service valves

- Adapter is available through Friedrich parts distributors.
- All R410A models have 1/2"-20 UNF (5/16" SAE) X 1/4" SAE thread per inch charging and vacuuming ports.
- An adapter must be used for 1/4" gauges.